**Research plan for doctoral studies**

**Faculty of Education and Psychology**

Doctoral Programme in Education

Doctoral Programme in Psychology

Doctoral Programme in Cognitive Neuroscience

**INSTRUCTIONS FOR WRITING THE RESEARCH PLAN FOR DOCTORAL STUDIES**

The research plan is written in this template (please remove the instructions page from your plan). The plan consists of a title page, **maximum of 5 pages of text**, and, in addition to these pages, a list of references. Please, use Times New Roman font type in size 11, spacing 1,5 and 2,54 cm marginals. Align the text evenly (justified) between the margins and use automatic hyphenation. The subheadings are bolded and spacing before the subtitles is 12 pt. In the methods table, please use spacing 1. Please name the file the plan as follows: “Surname\_research plan”.

The main supervisor will approve and sign the final version of the research plan.

Evaluation of the research plan will focus on the following:

1) Quality of the research plan and research questions, clarity of the used concepts, applicability of the methods chosen for data collection and analysis, and quality and extent of references

2) Feasibility of the study design, data collection, and timetable

3) Coherence in the use of concepts and clear connection between them and the theoretical framework.

**Research plan for doctoral studies**

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| --- | --- |
| **Doctoral programme** |  |
| **Title of the dissertation** |  |
| **Name of the applicant** |  |
| **Form of dissertation** | \_\_\_ Article dissertation  \_\_\_ Momograph |
| **Degree to be pursued** | \_\_\_ Doctor of Philosophy (Education)  \_\_\_ Doctor of Philosophy (Psychology)  \_\_\_ Doctor of Philosophy |
| **Language of dissertation** | \_\_\_ English  \_\_\_ Finnish  \_\_\_ Swedish |
| **Area/s of research strength of the faculty on which the thesis focuses** | **Areas of research in education:**  \_\_\_ Learning, learning difficulties and related factors  \_\_\_ Education, teaching, and interventions  \_\_\_ Learning at work and well-being  \_\_\_ Childhood and family  \_\_\_Interactive and technology-enhanced learning environments  **Areas of research in psychology and cognitive neuroscience**  \_\_\_ Brain and psychophysiological research  \_\_\_ Clinical psychology and psychotherapy  \_\_\_ Motivation, learning and environment for learning  \_\_\_ Family research  \_\_\_ Methodology studies  \_\_\_ Work and Organizational Psychology |
| **Estimated time of completion** (Year, Spring/Autumn) |  |
| **Supervisors and outside member of follow-up group** | Supervisor-in-charge:  Second supervisor:  Third supervisor:  External member of the follow-up groups: |
| **Date** |  |
|  | |

**1. Introduction** (max 0.5 x A4)

Introduction including rationale, significance, and contribution to scientific knowledge.

**2.** **Theoretical framework** (max 1.5 x A4)

Presenting central concepts utilized in the dissertation, their definitions and theoretical approaches, theories or models, and methodological premises. Previous research pertaining to the topic presented as synthesis and divided into chapters with subtitles if needed.

**3. The aim of the thesis and research questions** (max 0.5 x A4)

The aim of the thesis and research questions/problems, and, if applicable with the design, formulated hypotheses.

**4. Methods: data collection and analysis (**max 1,5 x A4)

Present the methodological solutions of the study, such as data to be used and analysis as well as the research strategy (quantitative, qualitative, mixed methods). If relevant, also design and sample, including grounding for its size and selection. If the dissertation research is part of a larger research project, specify its role in the larger project. In addition, present a summary of the methodological solutions in a table format (max 0,5 x A4; spacing 1):

|  |  |  |  |
| --- | --- | --- | --- |
|  | *Article 1: Title* | *Article 2: Title* | *Article 3: Title* |
| *1. Research question(s)* |  |  |  |
| *2. Type and extent of data /*  *Sample and participants* |  |  |  |
| *3. Data collection method(s)* |  |  |  |
| *4. Analysis (choice of methods per article)* |  |  |  |
| *5. Planned publication forums (e.g., scientific journals)* |  |  |  |

**5. Implementation of research**

Present briefly:

***Timetable***of the data collection or receiving and managing data, analysis, and writing (in case of articles, planned timetable for them and the summary part of the dissertation)

***Mobility plan****:* international and national mobility, visits and congresses with time, length of visit, and place (if possible)

**6.** **Financial plan**

Present a plan for funding the dissertation work: funding sources, plans for funding applications, form of study (part-time or full-time, specified by years if possible) (can be presented in a table-format). *Please note that the Faculty of Education and Psychology has limited possibilities for supporting doctoral studies financially.*

**7. Ethical considerations and data protection**

Please, carefully describe all ethical issues related to methods and data collection, recruitment of the participants, receiving research permits, informed consent procedure, protection of participant anonymity, storage and handling of the data, as well as complying with the EU General Data Protection Regulations (GDPR), and possible ethical board decisions. Please, follow [the instructions of the University of Jyväskylä](https://www.jyu.fi/en/data-privacy-at-the-university-of-jyvaskyla/instructions-for-students) and see also [the instructions of The Finnish National Board on Research Integrity TENK](https://tenk.fi/sites/default/files/2023-05/RI_Guidelines_2023.pdf).

**8. Research impact**

Describe the expected impact of the research: expected social/practical impact as well as the applicability and usability of the results.

**Commitment of the main supervisor**

I am familiar with the research plan above and I consider it feasible.

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Time, place, and the signature as well as the print name of the main supervisor

**References** *(Note: not counted into the 5 pages)*

Please, apply the American Psychological Association (APA 7) style.